

ABSTRACT

By including zinc, nickel, copper and cobalt in a 22kt gold alloy, it is possible to obtain the desired white gold color in an alloy with satisfactory metallurgical properties and with reasonable raw material costs. More specifically, these elements are present in the following ranges: Gold \approx 91.67%; Zinc 0.4 to 1.5%; Nickel 6.0 to 7.5%; Copper 0.4 to 1.5%; Cobalt 0.02 to 0.50%. Master alloys and methods of making jewelry are also disclosed.

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